

BORDER REV. DATE: June 1, 2004

DRILL HOLES

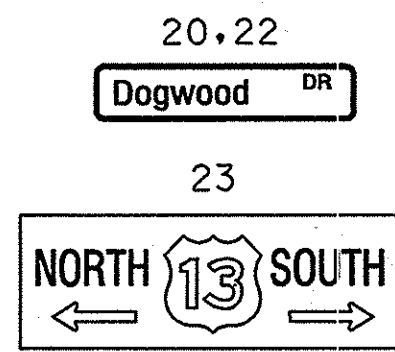
DRILL HOLES

DRILL HOLES

BY: \$USER\$

US 13 IS ASSUMED TO RUN
IN A NORTH/SOUTH DIRECTION

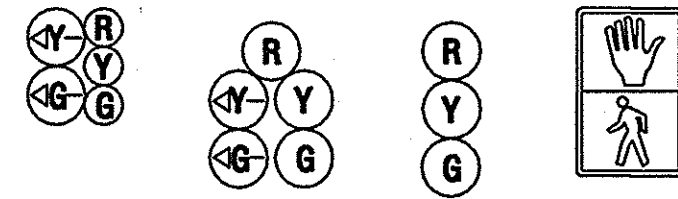
EXISTING SIGNS



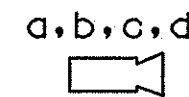
EXISTING SIGNS TO BE REMOVED



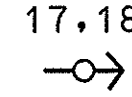
EXISTING SIGNALS TO BE REMOVED



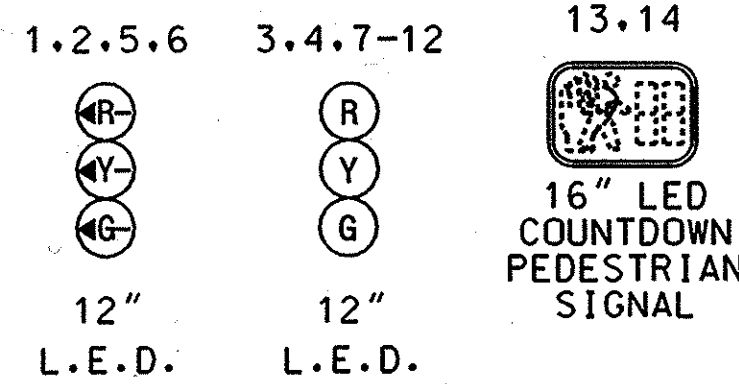
EXISTING VIDEO DETECTION CAMERA



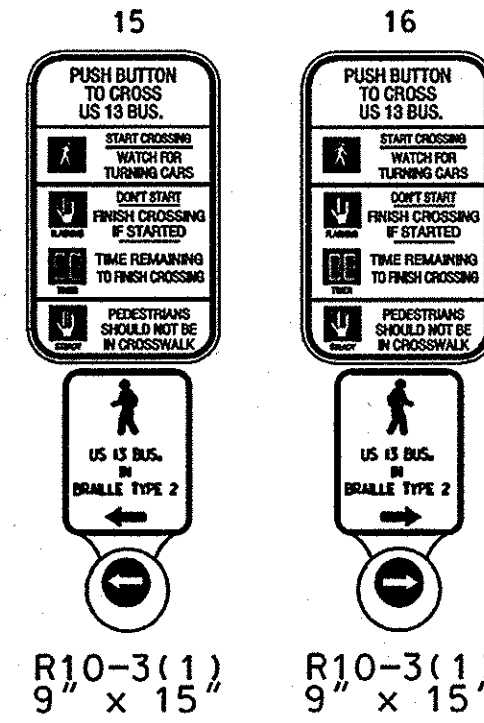
EXISTING OPTICOM DETECTION



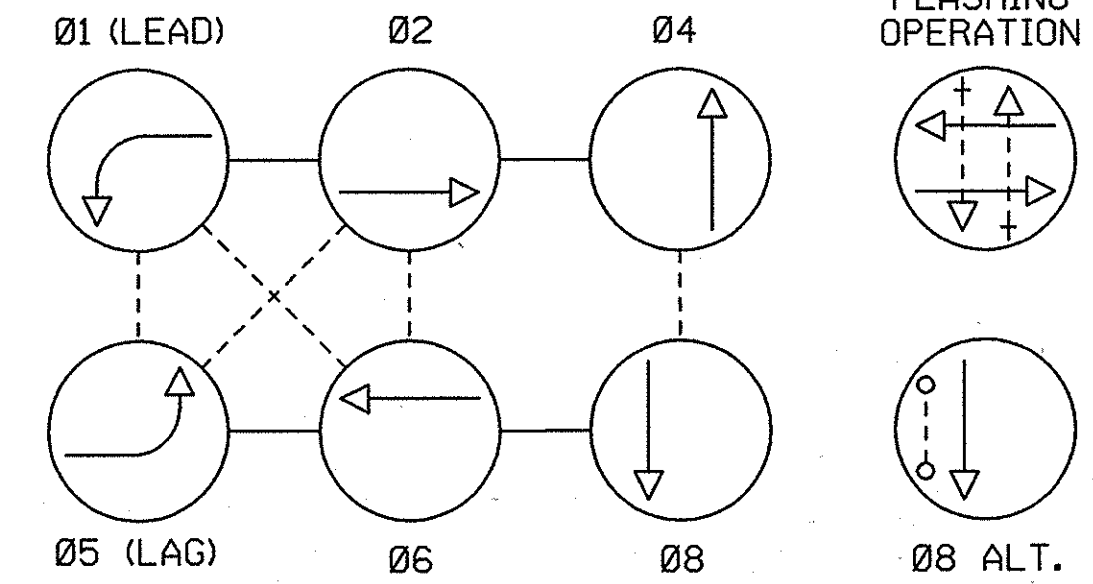
PROPOSED SIGNALS



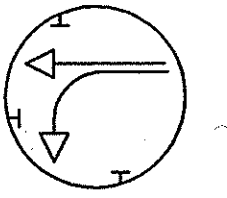
PROPOSED AUDIBLE SIGNS



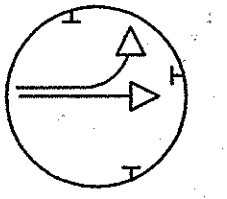
NEMA PHASING



EMERGENCY PRE-EMPTION PHASE 01 & 06



EMERGENCY PRE-EMPTION PHASE 02 & 05



NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

TO MD 513

TO MD 346

RIGHT OF WAY LINE

N.B. US 13 BUSINESS

GRASS

PARKING LOT

C&P SPLICE
BOX #40

GRASS

PARKING

AUTOZONE

RIGHT OF WAY LINE

S/W

GRASS

S.B. US 13 BUSINESS

PAVED D/W

TIRE STORE

DOGWOOD DRIVE

CONSTRUCTION DETAILS

- REMOVE EXISTING PEDESTAL POLE, PEDESTRIAN SIGNAL HEAD, PUSHBUTTON, PUSHBUTTON SIGN AND REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
- REMOVE EXISTING TRAFFIC SIGNAL HEAD, PEDESTRIAN SIGNAL HEAD, PUSHBUTTON, PUSHBUTTON SIGN AND INSTALL NEW L.E.D. TRAFFIC SIGNAL (POST TOP MOUNT) ON THE EXISTING PEDESTAL POLE.
- REMOVE EXISTING SIGNAL HEAD AND INSTALL NEW L.E.D. TRAFFIC SIGNAL HEAD ON EXISTING MAST ARM AS SHOWN.
- REMOVE EXISTING PEDESTRIAN SIGNAL HEAD, PUSHBUTTON, PUSHBUTTON SIGN AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD AND AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGN ON EXISTING POLE. (NOTE: EXISTING SERVICE EQUIPMENT TO BE REMOVED)
- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FOR ELECTRICAL SERVICE - TRENCHED AND PROVIDE A STUB OUT AT THE BASE OF THE UTILITY POLE WITH A PULL STRING.
- INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED
- INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED
- INSTALL METERED SERVICE PEDESTAL.
- INSTALL NEW L.E.D. TRAFFIC SIGNAL HEAD.
- INSTALL MODIFIED PEDESTAL POLE BASE (MD 801.01) FOR 10' PEDESTAL POLE WITH BREAKAWAY COUPLINGS (MD818.16-01), COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE TACTILE PUSHBUTTON STATION AND SIGN. (NOTE: ONE 2 IN. PVC SCHEDULE 80 CONDUIT BEND).
- CONSTRUCT TYPE "D" CURB (MD 620.02-01).
- INSTALL CUT THROUGH MEDIAN RAMP (MD STD 655.21) AND DETECTABLE WARNING SURFACE (MD STD 655.40).
- USE EXISTING HANDHOLE.
- USE EXISTING CONDUIT.
- USE EXISTING CABINET AND CONTROLLER.
- CAP AND ABANDON EXISTING CONDUIT.
- REMOVE EXISTING HANDHOLE.
- REMOVE EXISTING SIGNAL HEAD AND INSTALL NEW L.E.D. TRAFFIC SIGNAL HEAD (POST TOP MOUNTING) ON THE EXISTING PEDESTAL.

GEOMETRIC LEGEND

===== EXISTING
----- PROPOSED

UTILITY LEGEND

SD - STORM DRAIN
G - GAS MAIN
W - WATER MAIN
S - SEWER MAIN
E - ELECTRIC CABLES
A - AERIAL CABLES
T - TELEPHONE CABLES
F - FIBER-OPTIC

- INSTALL CUT THROUGH MEDIAN RAMP (MD STD 655.21) AND DETECTABLE WARNING SURFACE (MD STD 655.40).
- USE EXISTING HANDHOLE.
- USE EXISTING CONDUIT.
- USE EXISTING CABINET AND CONTROLLER.
- CAP AND ABANDON EXISTING CONDUIT.
- REMOVE EXISTING HANDHOLE.
- REMOVE EXISTING SIGNAL HEAD AND INSTALL NEW L.E.D. TRAFFIC SIGNAL HEAD (POST TOP MOUNTING) ON THE EXISTING PEDESTAL.

20' 0 20' 40'
SCALE: 1"=20'

BAI
BRUDIS & ASSOCIATES, INC.
Consulting Engineers
8220 Rumney Road, Suite 110
Columbia, Maryland 21045
Phone 410-984-9027
www.brudis.com

GENERAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60" X 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
- PUSH BUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
- LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUS BUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE DISTRICT #1 MAINTENANCE OFFICE TO HAVE THE TREES IN THE MEDIAN TRIMMED TO PROVIDE BETTER VISIBILITY FOR THE NEWLY INSTALLED TRAFFIC SIGNAL HEADS ON THE EXISTING PEDESTAL POLES.

TOD NO: AT933-13
SHA NO: W1375A52/B52
US 13 BU @ DOGWOOD DR

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION



US 13 BUSINESS AND DOGWOOD DRIVE

WICOMICO COUNTY, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' ADVERTISED DATE 5/90 CONTRACT NO.

DESIGNED BY M. ELAAOUAR COUNTY WICOMICO

DRAWN BY T. SPECA LOGMILE 22801303.64

CHECKED BY EMM/D.D. TMS NO. 1892

F.A.P. NO. TOD NO.

TS NO. 2863C SHEET NO. 1 OF 2

APPROVALS

TEAM LEADER

ASSY. DIR. CHIEF

DIVISION CHIEF

OFFICE DIRECTOR

REVISIONS

04/08 SHA: AT9335185

CHANGE EXISTING E/P PHASING TO EXCLUSIVE, UPGRADE TO L.E.D. S. APS/CPS.

06/06 SHA: AT7255185

INSTALL REDLINE VIDEO DETECTION.

07/27/90

PROVIDE SIGNALIZATION FOR SALISBURY SPRING WORK ENT.

PLOTTED: SCATHEMES
FILE: SP15